

REMARKS

Applicants have amended the Brief Description of the Figures and the specification to indicate sequence identifier numbers where appropriate.

With respect to the paper and computer readable copy of the sequence listing, Applicants submit herewith a paper and computer readable copy of the sequence listing as required by the Notice to file Missing Parts. As required by 37 C.F.R. §1.821(f), Applicant's Attorney hereby states that the content of the "Sequence Listing" in paper form and the computer readable form of the "Sequence Listing" are the same and, as required by 37 C.F.R. §1.821(g), also states that the submission includes no new matter. Applicants request that the sequence listing be entered in the above-captioned application.

Applicants have amended Figures 2A and 6B, as well as the figure legends for Figures 1, 2, and 6 to include SEQ ID Nos where appropriate.

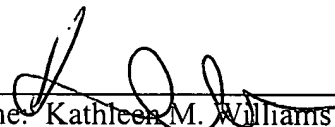
The first paragraph of the specification has been amended to reflect the correct filing date of priority document U.S. Application Serial No. 08/810,028, which is March 3, 1997. A typographical error resulted in the incorrect filing date of March 4, 1997, being listed for priority document U.S. Application Serial No. 08/810,028.

Applicant submits that all claims are allowable as written and respectfully request early favorable action by the Examiner. If the Examiner believes that a telephone conversation with Applicant's attorney/agent would expedite prosecution of this application, the Examiner is cordially invited to call the undersigned attorney/agent of record.

Respectfully submitted,

Date:

April 12, 2004


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FIG. 2B

SEQ ID NO: 5	CCR5	1 MDQVSSPTIDINVTSEPCOKINVKQIDIAKLLPPLYSLVFI	ILINCKRLKSMTDIYLLNLAISDLFLIN	83
SEQ ID NO: 7	hcc-R2b	6 MLSTSRSEFIRVNESGEEVTFDDIDYGAQCHKEFDVKQIQEAGLLPPLYSLVFI	ILINCKRLKSMTDIYLLNLAISDLFLIN	95
SEQ ID NO: 8	hcc-R3	MTTSLDITVETFGTTSYDDVGILLCEKADPRALMAQFPPPLYSLVFTVGLIGNVWMLIKYRIRI	MTNFIYLLNLAISDLFLIN	87
SEQ ID NO: 9	hcc-R1	METPNNTTETDYDTTEFDIDGDATEPCQKINERAFGAGLLPPLYSLVFI	GLVGNLHVLVWLVQVKRLKMTSIYLLNLAISDLFLIN	87
SEQ ID NO: 10	hcc-R4	MNPTDIADTTLDSEIYSNVLVESIPRCPTEGKIKAFGSELFPLPLYSLVFI	GLIGNSVWLVWFKKRIKRSMTNFIYLLNLAISDLFLIN	92

	III	IV
CCR5	VPFWAHYA ¹ AAQND ² FGN ³ YCOL ⁴ TGL ⁵ YF ⁶ IG ⁷ FS ⁸ GI ⁹ FF ¹⁰ II ¹¹ LT ¹² DR ¹³ YL ¹⁴	WHAVFALKAR ¹⁵ VT ¹⁶ FG ¹⁷ VT ¹⁸ SV ¹⁹ TW ²⁰ W ²¹ AVFASL ²² PG ²³ II ²⁴ FT ²⁵ RS ²⁶ QK ²⁷ EG ²⁸ II ²⁹
hcc-R2b	LPLWAHSA ¹ ANENW ² FGN ³ ACK ⁴ FT ⁵ GL ⁶ YH ⁷ IC ⁸ Y ⁹ FG ¹⁰ SI ¹¹ FF ¹² II ¹³ LT ¹⁴ DR ¹⁵ YL ¹⁶	IVHAVFALKAR ¹⁷ VT ¹⁸ FG ¹⁹ VT ²⁰ SV ²¹ TW ²² W ²³ AVFASL ²⁴ PG ²⁵ II ²⁶ FT ²⁷ RS ²⁸ QK ²⁹ ED ³⁰ SV ³¹
hcc-R3	LPFWHHYVRGH ¹ WV ² FGH ³ GV ⁴ CN ⁵ LI ⁶ SG ⁷ FY ⁸ HT ⁹ GL ¹⁰ YSE ¹¹ FF ¹² II ¹³ LT ¹⁴ DR ¹⁵ YL ¹⁶	IVHAVFAIRAR ¹⁷ VT ¹⁸ FG ¹⁹ VT ²⁰ SV ²¹ TW ²² GL ²³ AV ²⁴ LA ²⁵ AL ²⁶ PE ²⁷ IF ²⁸ YET ²⁹ EEL ³⁰ FEE ³¹
hcc-R1	LPFWIDYRLKDD ¹ WV ² FGD ³ AMCK ⁴ IL ⁵ SE ⁶ FY ⁷ Y ⁸ GL ⁹ YSE ¹⁰ FF ¹¹ II ¹² LT ¹³ DR ¹⁴ YL ¹⁵	IVHAVFAIRAR ¹⁶ VT ¹⁷ FG ¹⁸ VT ¹⁹ SV ²⁰ IT ²¹ SI ²² II ²³ LA ²⁴ LA ²⁵ IAS ²⁶ MP ²⁷ GL ²⁸ YF ²⁹ SK ³⁰ QW ³¹ E ³² FI ³³ II ³⁴
hcc-R4	LPFWGNYA ¹ ADQW ² VEGL ³ GI ⁴ QK ⁵ MI ⁶ SW ⁷ ML ⁸ VG ⁹ FS ¹⁰ GI ¹¹ FF ¹² IV ¹³ ML ¹⁴ NS ¹⁵ TD ¹⁶ RYL ¹⁷	IVHAVFSURAR ¹⁸ VT ¹⁹ GV ²⁰ ITS ²¹ LA ²² WS ²³ AVFASL ²⁴ PG ²⁵ FI ²⁶ FT ²⁷ ST ²⁸ CT ²⁹ YET ³⁰ ER ³¹ NI ³²

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SEQ ID NO: 11

SEQ ID NO: 12

SEQ ID NO: 13

CCRS F P Y S Q Y Q F W K N F Q T L K I V I L G L V L P
TTTCCATACAgtcagtcagatcaattctggaagaattccagacaTTAAGATAGTCATCTGGGGCTGGTCTGCGG
Δccr5 F P Y I K D S H L G A G P A

deletion

CCRS L L V M V I C Y S G I L K T L L R C R N E K K R
CTGCTTGTCATGGTCATCTGCTACTCGGGAATCCTAAAACTCTGCTTCGGTGTGGAATGAGAGAAGAGG
Δccr5 A A C H G H L L L G N P K N S A S V S K °

FIG. 6B